

Title (en)
INTRAVASCULAR BLOOD PUMP WITH BALLOON

Title (de)
INTRAVASKULÄRE BLUTPUMPE MIT BALLON

Title (fr)
POMPE SANGUINE INTRAVASCULAIRE À BALLONNET

Publication
EP 3398626 A1 20181107 (EN)

Application
EP 17169581 A 20170504

Priority
EP 17169581 A 20170504

Abstract (en)
An intravascular blood pump (1) comprises a ring seal (10) that is configured to assume a collapsed configuration and an expanded configuration and configured to contact and seal against an inner wall of the patient's blood vessel when inserted therein in the expanded configuration. A support member (12; 13) is disposed inside the ring seal (10) in order to support the ring seal (10) from the inside, wherein the support member (12; 13) is configured to collapse at least partially when a predetermined pressure difference between a proximal area and a distal area of the blood vessel acting on the ring seal (10) is exceeded.

IPC 8 full level
A61M 1/12 (2006.01); **A61M 1/10** (2006.01)

CPC (source: CN EP IL KR US)
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A61M 60/135 (2021.01 - CN EP IL KR US); **A61M 60/148** (2021.01 - IL KR); **A61M 60/17** (2021.01 - IL); **A61M 60/178** (2021.01 - KR);
A61M 60/216 (2021.01 - CN IL); **A61M 60/237** (2021.01 - EP IL KR US); **A61M 60/833** (2021.01 - CN EP IL KR US);
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A61M 2025/1052 (2013.01 - IL US); **A61M 2025/1061** (2013.01 - IL US); **A61M 2025/1084** (2013.01 - IL US); **A61M 2205/0266** (2013.01 - IL US)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 3398626 A1 20181107; EP 3398626 B1 20210224; AU 2018262630 A1 20191031; AU 2018262630 B2 20230914;
AU 2023282202 A1 20240104; CN 110621358 A 20191227; CN 110621358 B 20220701; CN 115227961 A 20221025; DK 3398626 T3 20210322;
EP 3618885 A1 20200311; ES 2863628 T3 20211011; IL 270057 A 20191231; IL 270057 B1 20230601; IL 270057 B2 20231001;
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EP 17169581 A 20170504; AU 2018262630 A 20180503; AU 2023282202 A 20231212; CN 201880029679 A 20180503;
CN 202210697085 A 20180503; DK 17169581 T 20170504; EP 18720633 A 20180503; EP 2018061350 W 20180503; ES 17169581 T 20170504;
IL 27005719 A 20191021; IL 30247223 A 20230427; JP 2019560740 A 20180503; JP 2022085716 A 20220526; JP 2024034458 A 20240307;
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